2M IR Mini Dome

Quick Installation Guide

2M IR Mini Dome Quick Installation Guide

Please follow the installation steps below to set up 2M IR Mini Dome IP Camera.

Check the package contents against the list below. **See P.1**
Physical overview. **See P.2**
I/O Terminal Block Circuit. **See P.3**
I/O Terminal Block Pin Definition. **See P.3**
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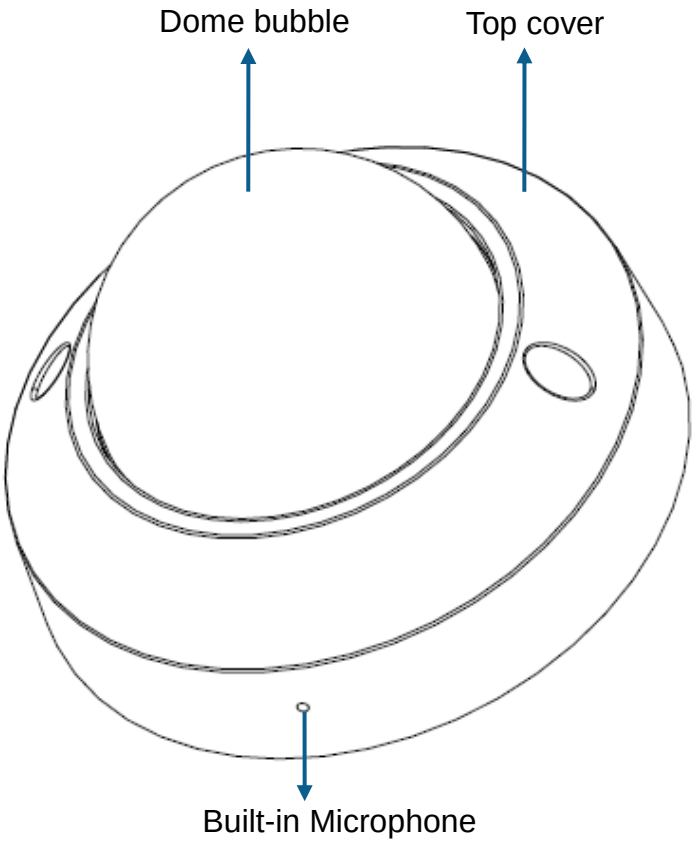
Application of IP Camera. **See P.16**
For more information, please check the User Manual available in the Software CD.

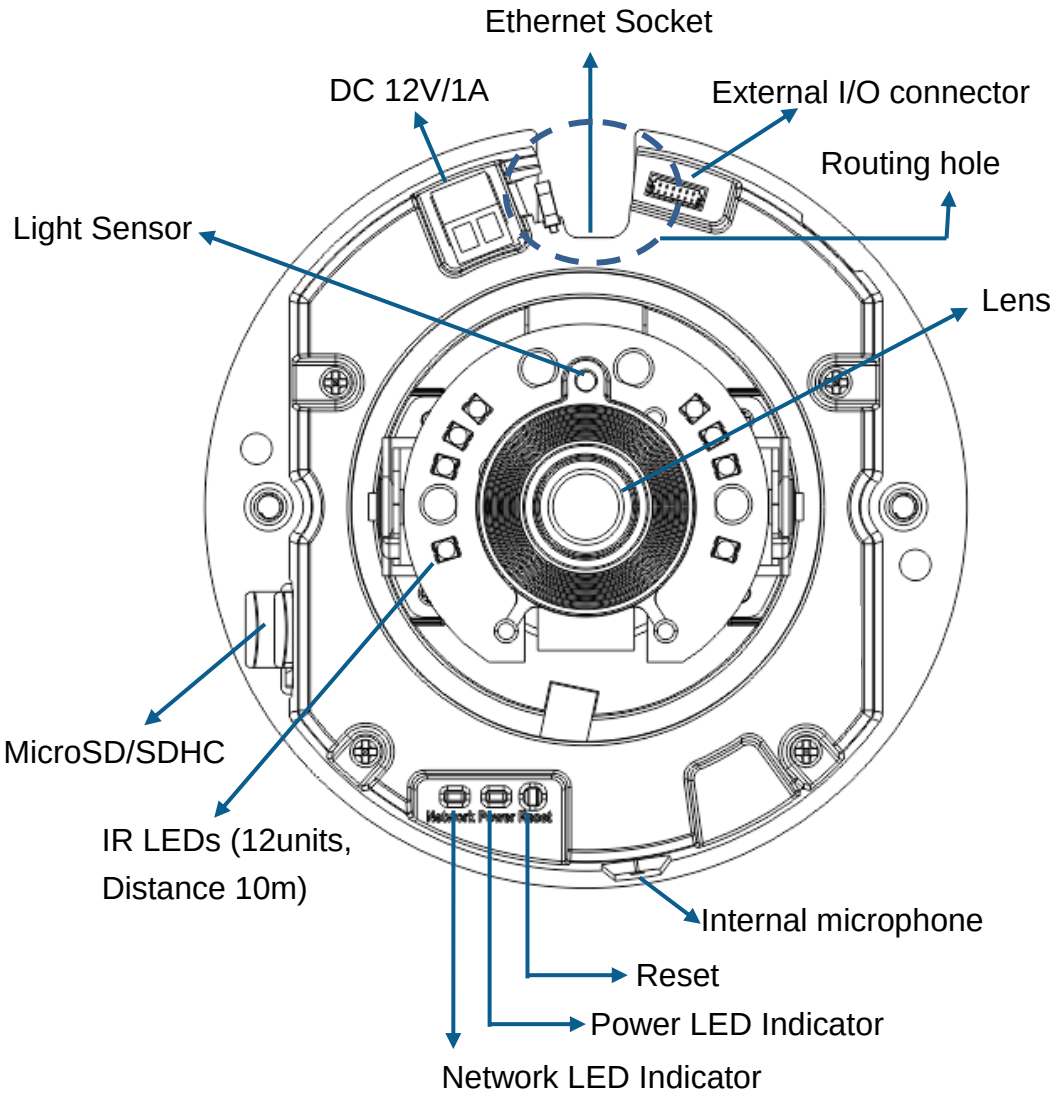
Package Contents

Camera	2M IR Mini Dome IP Camera
Quick Installation Guide	Brief product information and quick installation
Software CD	IP Surveillance Software Intelligent IP Installer User Manuals Language Packs
Accessory	6 pin terminal cable for DI/DO and audio Screw pack for wall and ceiling mounting (2 screws, 2 plastic wall anchors) Alignment sticker L-type Hex Key Wrench 2pin I/O terminal block Focus Adjustment Plastic mounting plate

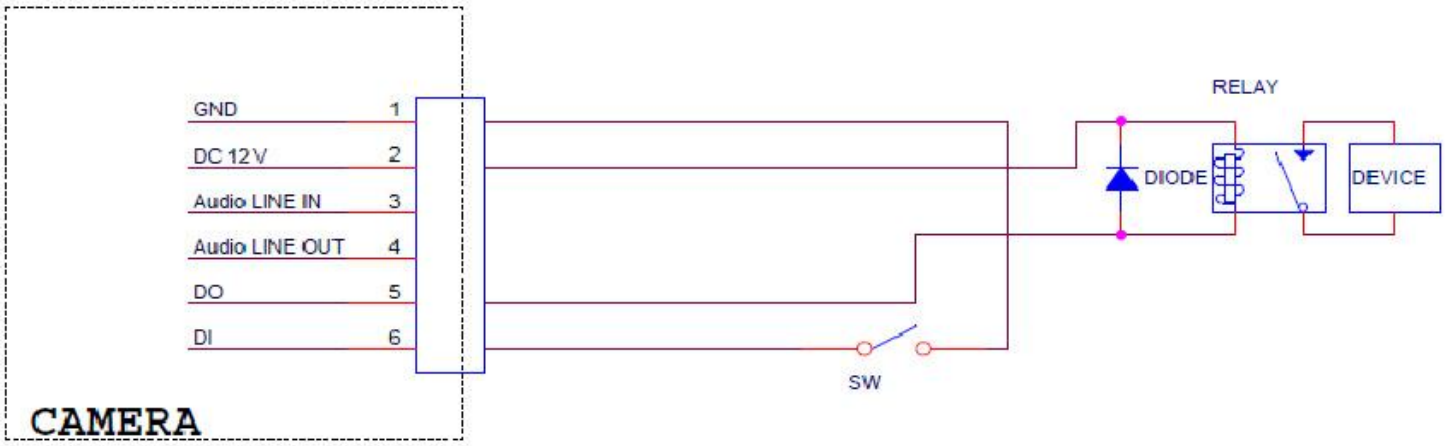
Note:
Power Adapter is supplied by user. 2pin I/O terminal block is for DC 12V Power Adapter used

Physical overview





I/O Terminal Block Circuit

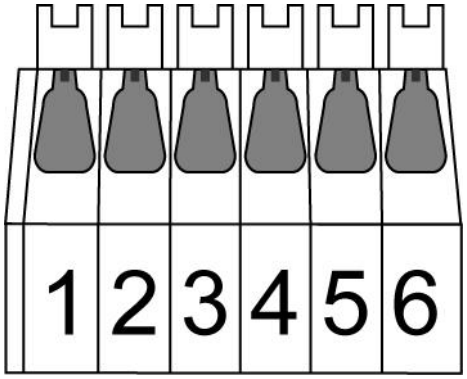


I/O Terminal Block Pin Definition

This Camera provides an external I/O terminal block which is used to connect input/ output devices.

The pin definitions are described below.

PIN	Definition	Description	Max. V/A
1	Ground		-
2	+ 12V DC		12V DC 1.2W
3	Audio Input	Connect the wires of the audio input device to **GND** (Pin 1) and **AUDIO.IN** (Pin 3).	-
4	Audio Output	Connect the wires of the audio output device to **GND** (Pin 1) and **AUDIO.OUT** (Pin 4).	-
5	Digital Output 1	Uses an NPN transistor with the emitter connected to the GND pin. If used with an external relay, a diode must be connected in parallel with the load for protection against voltage transients.	100 mA 24V
6	Digital Input 1	Connected to GND to activate, or leave floating (or unconnected) to deactivate.	30V DC



LED Indicator Definition

LED	Color	Indication
Network	Blue	Flash blue while Network activity.
Power	Red	Steady red for booting up process
	Blue	Steady blue for booting up completion
	Purple	Flash purple during firmware upgrading; when reset button pressed for at least 5 sec. to factory default
	Unlit	When you press reset button; or Power off

Reset: When the device is empowered, press the Reset Button to reboot the device, or hold the Reset Button for 10 seconds to the settings back to factory default.

Reset process: Press reset button until indicator Unlit→steady red (booting up process)→steady blue (booting up completion)

Reset to default process: Press until indicator steady blue→steady red (booting up process)→steady blue (booting up completion)

Power Mode

PoE Mode	Power Requirement	PoE (IEEE802.3af) with Class 3
	Power Consumption	4.19W
Adaptor Mode	Power Requirement	12V/1A Adaptor
	Power Consumption	4.24W

Install the hardware and connect all cables

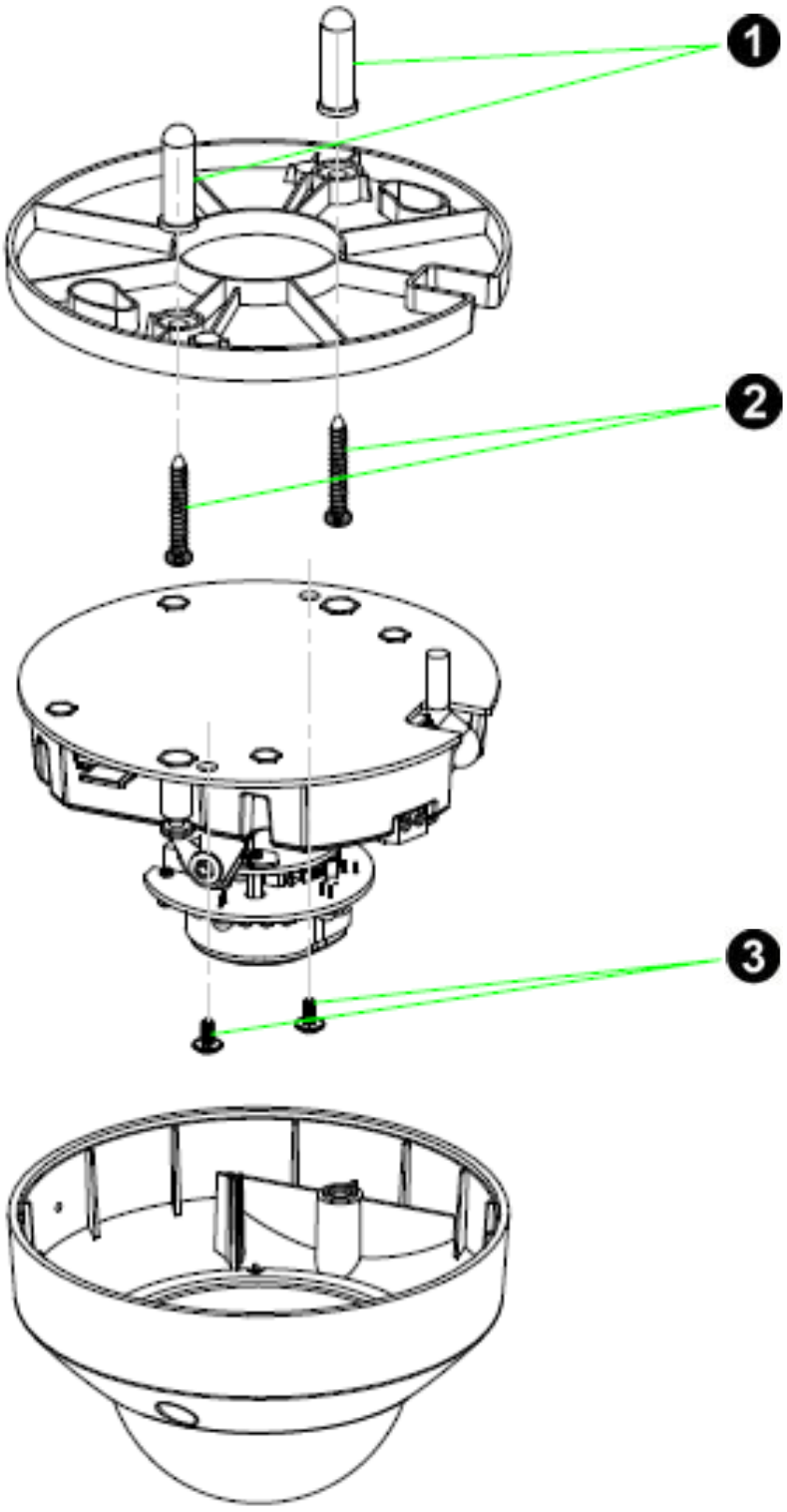
A. Hardware Installation

a. Loosen the tamper-proof screws using supplied L-type Hex Key Wrench

b. Remove the dome cover. Be careful do not scratch the cover glass.

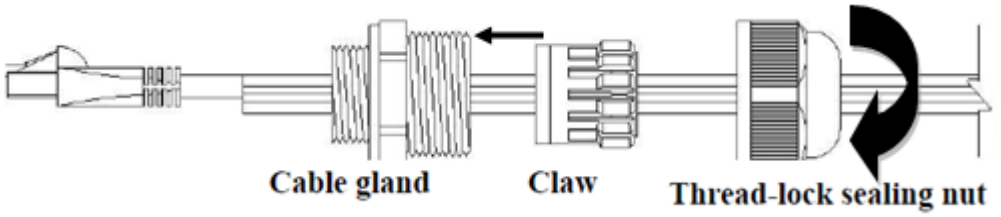
c. If you want to route cable from the side of camera instead of routing hole, please see below figure.

1. Attached the alignment sticker to the wall/ceiling. Drill three holes into the wall, which two for screws and one for cable (if you want to route cables through routing hole).
2. Install plastic mounting plate with the two screws on the two plastic anchors on the wall or ceiling.
3. Secure the camera to the plastic mounting plate with screws(M2.5x6 * 2pcs)



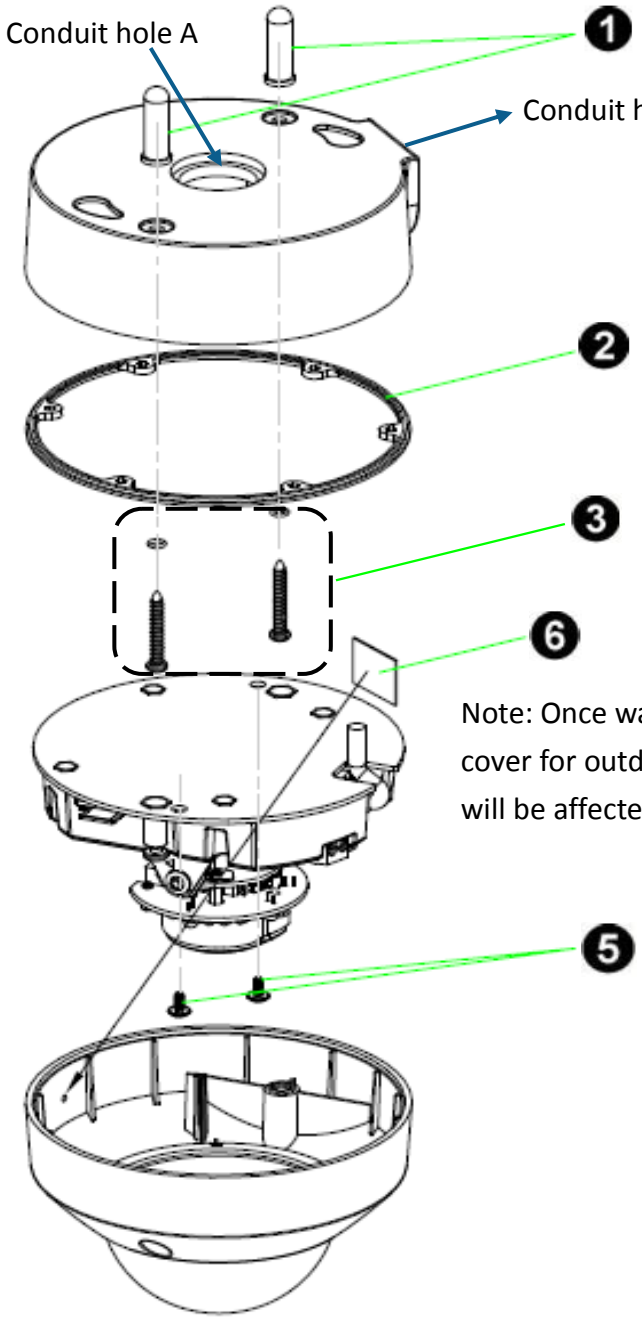
B. Waterproof junction box installation(optional)

1. Position the waterproof junction box kit at the desired installation location. Drill two holes into the wall and hammer the included plastic anchors into the holes.
2. Assembly silicone rubber ring onto waterproof junction box.
3. Put the O-rings on the supplied screws and secure the waterproof junction box with them.
4. Feed the cables through conduit hole A or B. If you want to use hole A, switch the plug to hole B with a screwdriver. Thread the network and I/O cable through thread-lock sealing nut, claw and cable gland. Connect the cables to the camera. Attach the cable gland to the conduit hole. Push the claw into the cable gland and tighten thread-lock sealing nut to secure the cables.



Note: The size of Cable gland is M25*1.5

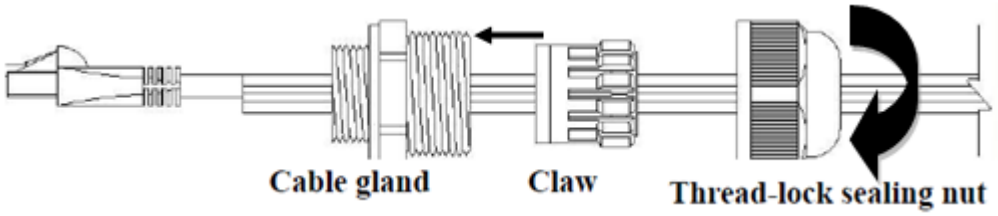
5. Secure the camera to the waterproof junction box with screws (M2.5x6 * 2pcs)
6. Attach the waterproof-tape to cover the microphone hole inside the top cover.



Note: Once waterproof sticker is pasted on top cover for outdoor used, microphone reception will be affected.

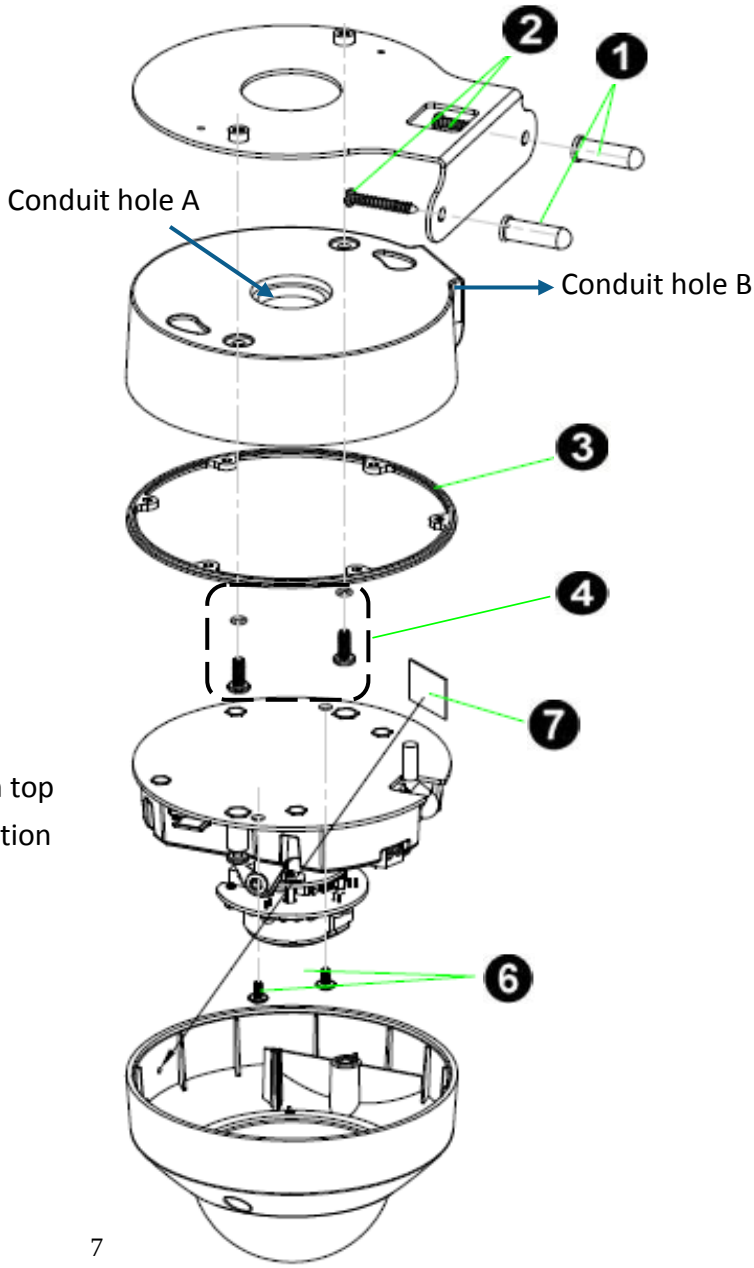
C. Waterproof junction box and L-type Bracket installation(optional)

1. Position the L-type at the desired installation location. Drill two holes into the wall and hammer the included plastic anchors into the holes.
2. Install the L-type bracket with two screws on the two plastic anchors on the wall.
3. Assembly silicone rubber ring onto waterproof junction box.
4. Put the O-rings on the supplied screws(M4x10) and secure the waterproof junction box to the L-type bracket with them.
5. Feed the cables through conduit hole A or B. If you want to use hole A, switch the plug to hole B with a screwdriver. Thread the network and I/O cable through thread-lock sealing nut, claw and cable gland. Connect the cables to the camera. Attach the cable gland to the conduit hole. Push the claw into the cable gland and tighten thread-lock sealing nut to secure the cables.



Note: The size of Cable gland is M25*1.5

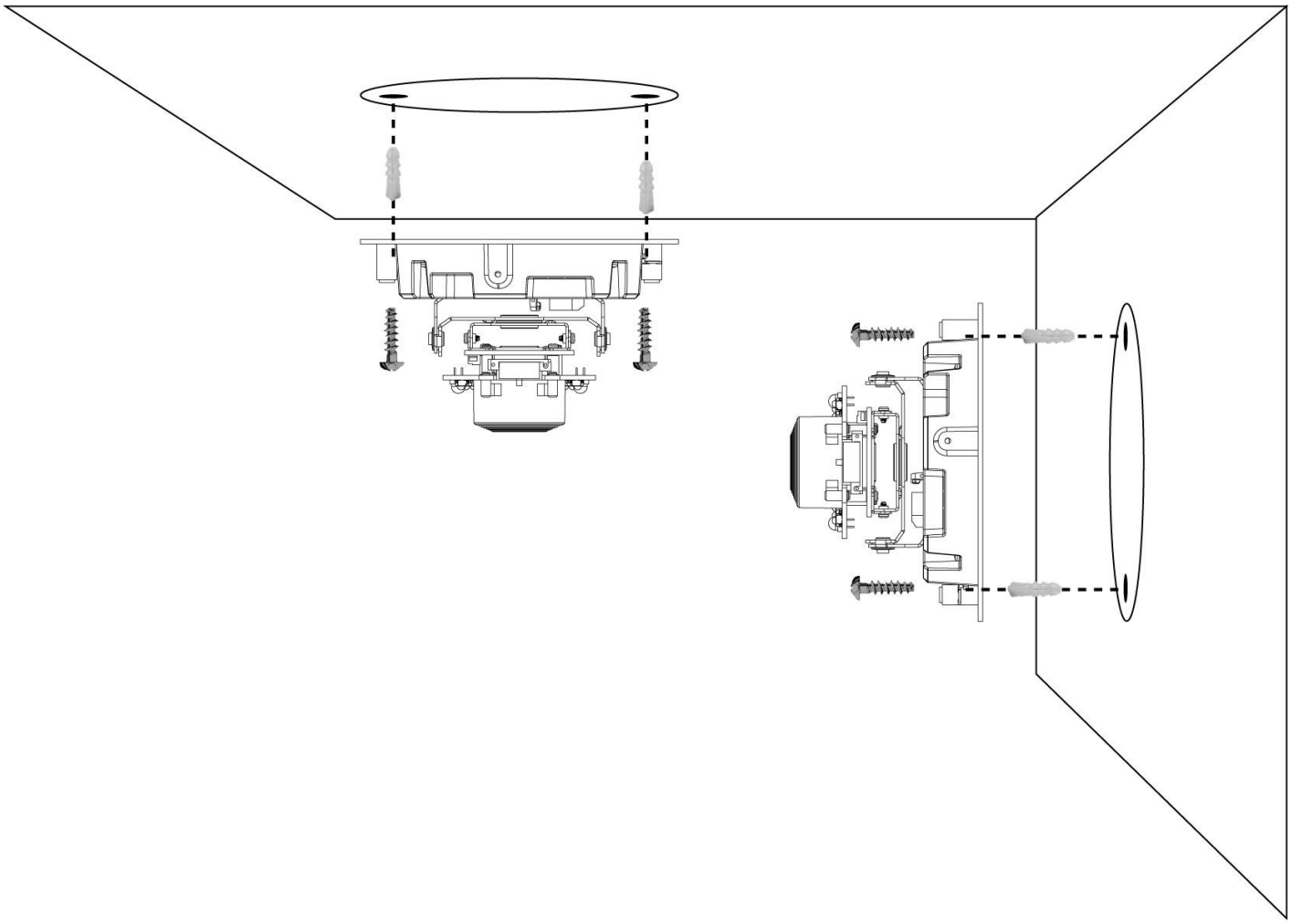
6. Secure the camera to the waterproof junction box with screws (M2.5x6 * 2pcs)
7. Attach the waterproof-tape to cover the microphone hole inside the top cover.



Note: Once waterproof sticker is pasted on top cover for outdoor used, microphone reception will be affected.

D. Wall mounting and Ceiling mounting

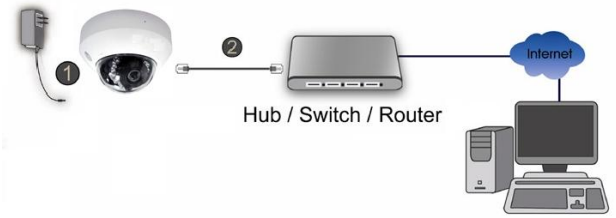
1. Attached the alignment sticker to the wall/ceiling. Drill three holes into the wall, which two for screws and one for cable.
2. Hammer the supplied plastic anchors into the holes.
3. Align the two holes on the base of camera with the two plastic anchors on the wall or ceiling, insert the supplied screws to the corresponding hole and screw them.
4. Adjust the angle of camera to aim the shooting area.



E. Connect all cables

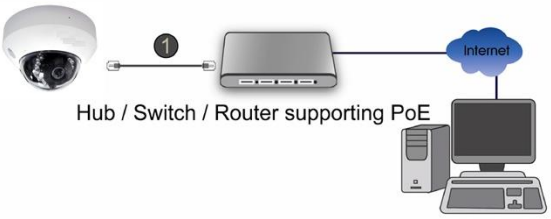
e1. Without Power over Ethernet (PoE) connection

1. Connect the power adaptor to the IP Camera.
2. Connect the IP Camera to a normal Hub / Switch / Router.



e2. Power over Ethernet (PoE)

1. Connect the IP Camera to a PoE-enabled Hub / Switch / Router.

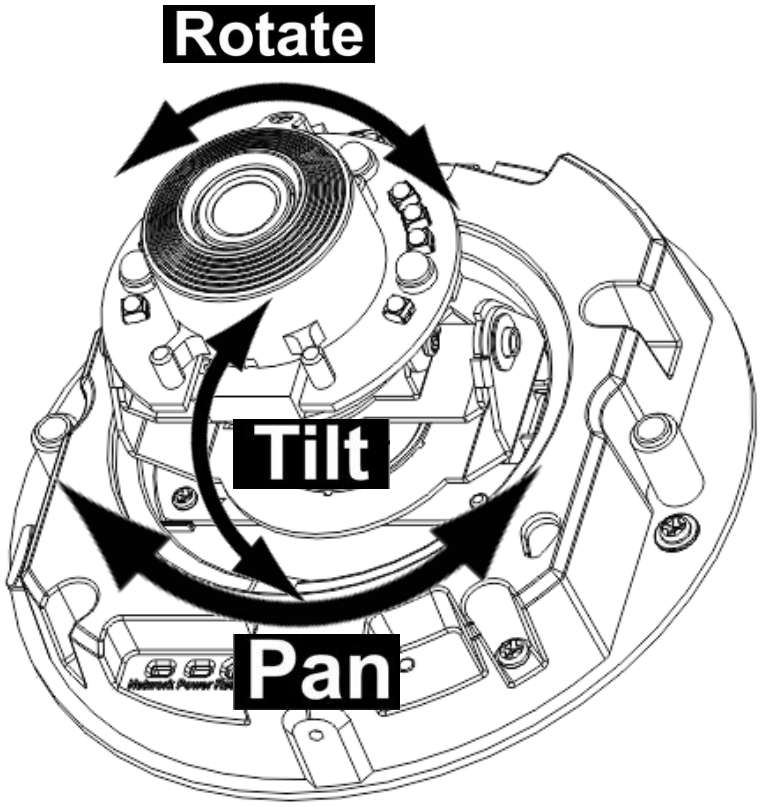


Note:

If using a non-PoE switch, please use a PoE power injector to connect the camera.

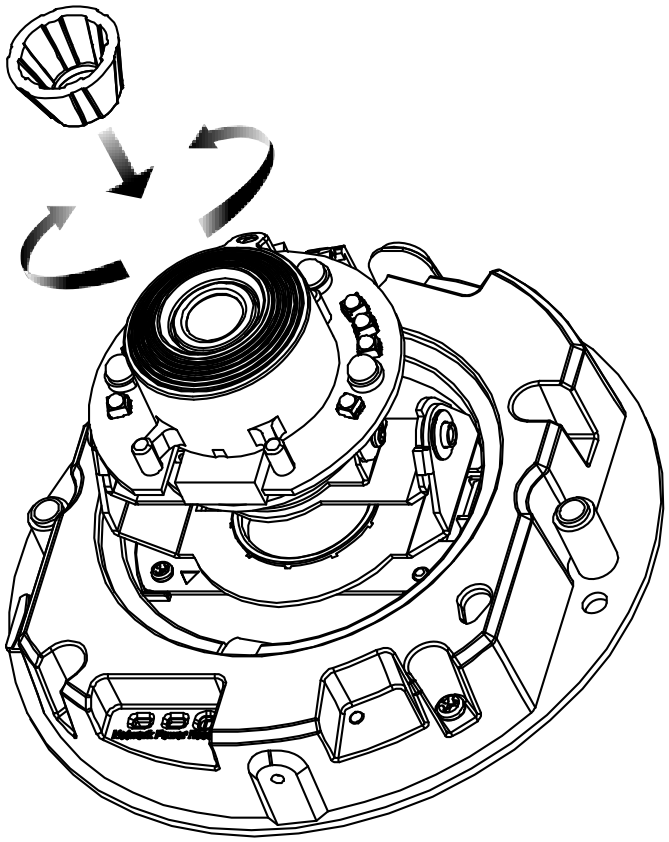
F. To adjust the view angle- 3 axis Mechanism Design

1. Turn the lens module right and left to your desired pan position.
2. Turn the lens module up and down to your desire tile position.
3. Turn the lens module to adjust the image orientation to satisfied angle.



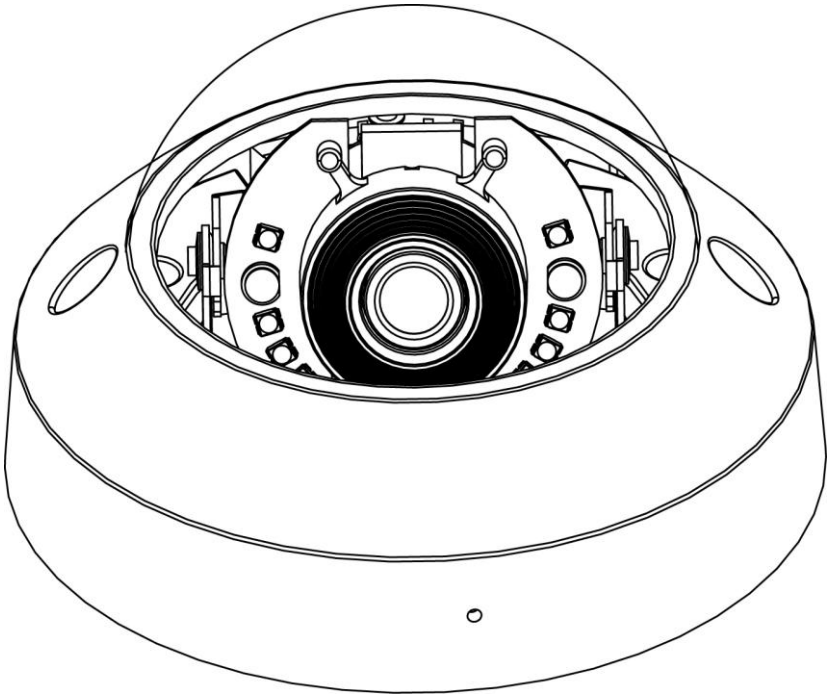
G. Focus adjustment tool instruction

To adjust lens focus, place the included focus adjustment tool on the lens, and use it to turn lens clockwise or counter-clockwise until you get optimal focus.



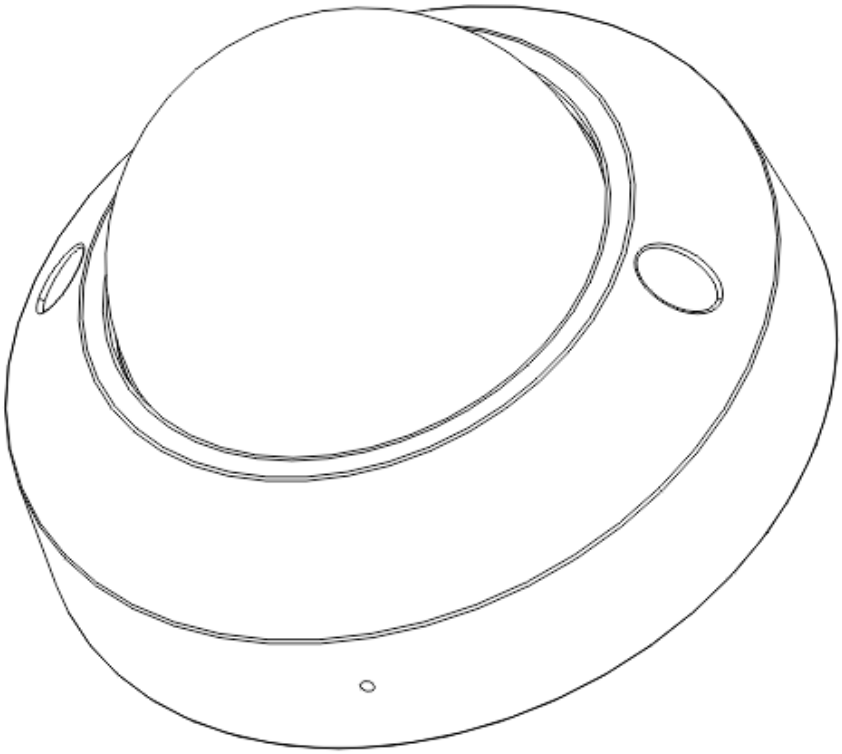
Important:

Do not rotate the IR LEDs so that it gets blocked by the housing as it will affect the IR performance (as shown below). If the image is upside down, please use the image rotate function in Video Setting.



H. Completion

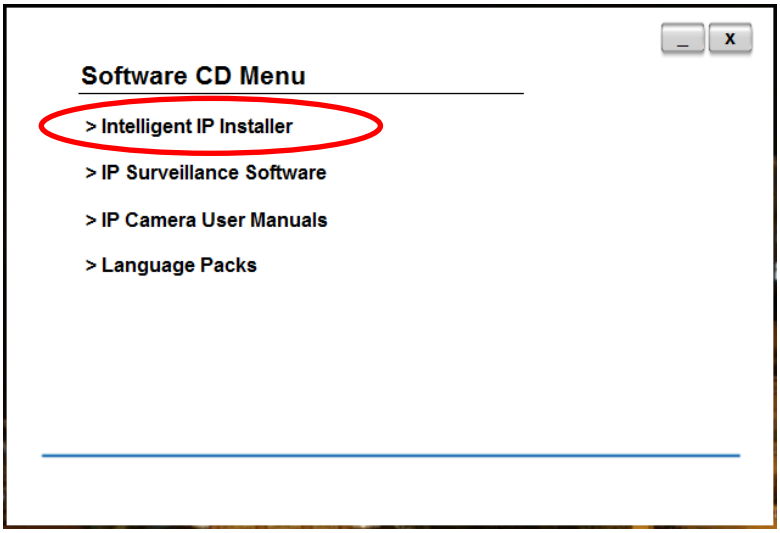
1. Clean the dome bubble to remove the dust and finger print.
2. Fix the tamper-proof screws using supplied special hex. Be careful do not scratch the cover glass.
3. The installation is complete now.



Microsoft OS: Use the software CD to install Intelligent IP Installer

Power on your PC and insert the CD-ROM. The setup page will show up automatically. Please follow these steps to install the firmware.

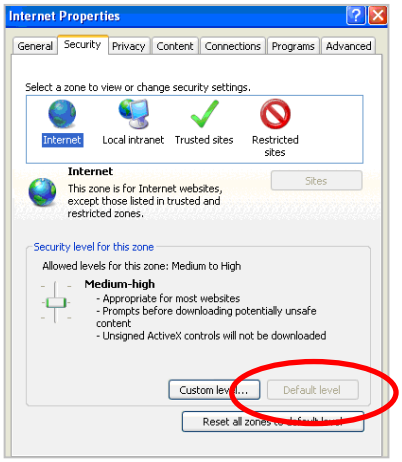
Select **"Intelligent IP Installer" and follow the installation process to complete the installation.**



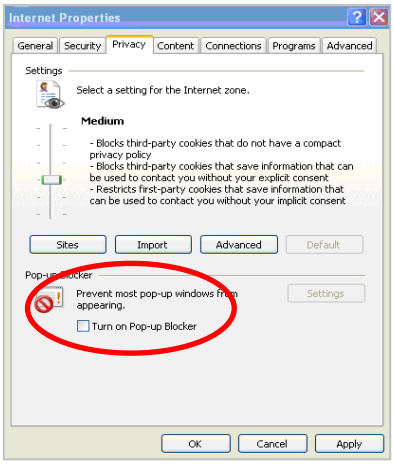
Access the IP Camera using Intelligent IP Installer

1. Please check two settings before using Intelligent IP Installer .

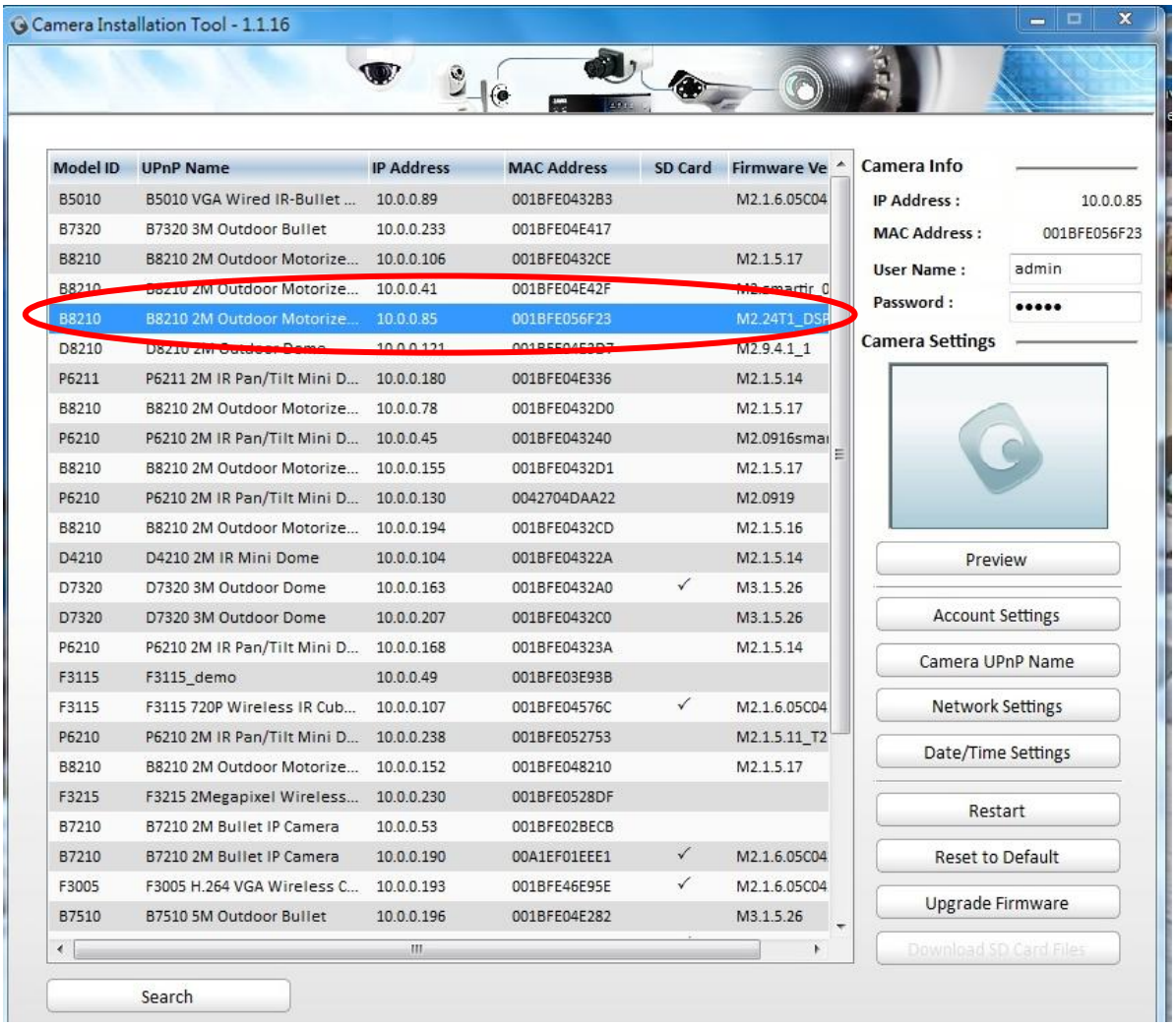
a. Browser's Internet Properties → Security → **Default Level**



b. Browser's Internet Properties → Privacy → Uncheck **Pop-up Blocker**

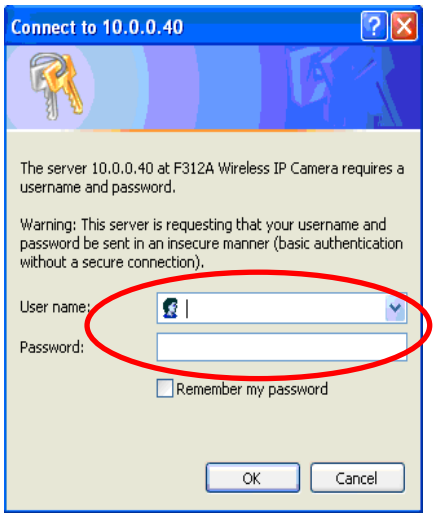


2. Click the Intelligent IP Installer Icon on your desktop. The main page will show up listing all active camera and video server devices. Select the relevant IP camera from the list and click **Link to IE.**

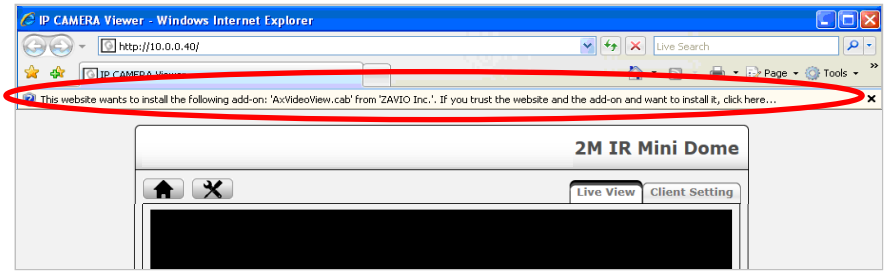

Camera Installation Tool - 1.1.16
Model ID
UPnP Name
IP Address
MAC Address
SD Card
Firmware Ve
B5010 B5010 VGA Wired IR-Bullet ... 10.0.0.89 001BFE0432B3 M2.1.6.05C04
B7320 B7320 3M Outdoor Bullet 10.0.0.233 001BFE04E417
B8210 B8210 2M Outdoor Motorize... 10.0.0.106 001BFE0432CE M2.1.5.17
B8210 B8210 2M Outdoor Motorize... 10.0.0.41 001BFE04E42F
B8210 B8210 2M Outdoor Motorize... 10.0.0.85 001BFE056F23 M2.24T1_DSP
D8210 10.0.0.121 M2.9.4.1_1
P6211 P6211 2M IR Pan/Tilt Mini D... 10.0.0.180 001BFE04E336 M2.1.5.14
B8210 B8210 2M Outdoor Motorize... 10.0.0.78 001BFE0432D0 M2.1.5.17
P6210 P6210 2M IR Pan/Tilt Mini D... 10.0.0.45 001BFE043240
B8210 B8210 2M Outdoor Motorize... 10.0.0.155 001BFE0432D1 M2.1.5.17
P6210 P6210 2M IR Pan/Tilt Mini D... 10.0.0.130 0042704DAA22 M2.0919
B8210 B8210 2M Outdoor Motorize... 10.0.0.194 001BFE0432CD M2.1.5.16
D4210 D4210 2M IR Mini Dome 10.0.0.104 001BFE04322A M2.1.5.14
D7320 D7320 3M Outdoor Dome 10.0.0.163 001BFE0432A0 ✓ M3.1.5.26
D7320 D7320 3M Outdoor Dome 10.0.0.207 001BFE0432C0 M3.1.5.26
P6210 P6210 2M IR Pan/Tilt Mini D... 10.0.0.168 001BFE04323A M2.1.5.14
F3115 F3115_demo 10.0.0.49 001BFE03E93B
F3115 F3115 720P Wireless IR Cub... 10.0.0.107 001BFE04576C ✓ M2.1.6.05C04
P6210 P6210 2M IR Pan/Tilt Mini D... 10.0.0.238 001BFE052753 M2.1.5.11_T2
B8210 B8210 2M Outdoor Motorize... 10.0.0.152 001BFE048210 M2.1.5.17
F3215 F3215 2Megapixel Wireless... 10.0.0.230 001BFE0528DF
B7210 B7210 2M Bullet IP Camera 10.0.0.53 001BFE02BECB
B7210 B7210 2M Bullet IP Camera 10.0.0.190 00A1EF01EEE1 ✓ M2.1.6.05C04
F3005 F3005 H.264 VGA Wireless C... 10.0.0.193 001BFE46E95E ✓ M2.1.6.05C04
B7510 B7510 5M Outdoor Bullet 10.0.0.196 001BFE04E282 M3.1.5.26
Search
Camera Info
IP Address : 10.0.0.85
MAC Address : 001BFE056F23
User Name : admin
Password : •••••
Camera Settings
Preview
Account Settings
Camera UPnP Name
Network Settings
Date/Time Settings
Restart
Reset to Default
Upgrade Firmware
Download SD Card Files

3. Enter your Username and Password to login to the IP Camera.

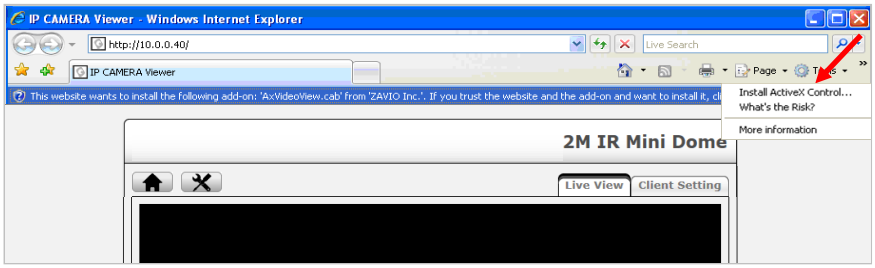
(Default is admin / admin)


Connect to 10.0.0.40
The server 10.0.0.40 at F312A Wireless IP Camera requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name:
Password:
Remember my password
OK
Cancel

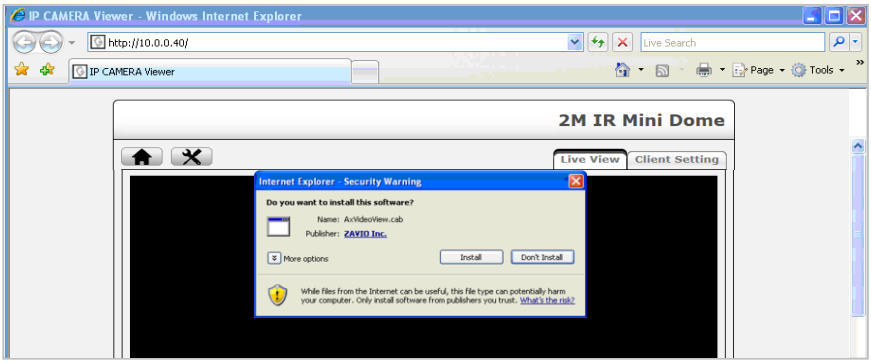
4. When accessing the IP Camera for the first time, a yellow information bar appears below the address bar:
This website wants to install the following add-on: 'AxvideoView.cab from 'Zavio Inc'.


IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. If you trust the website and the add-on and want to install it, click here...
2M IR Mini Dome
Live View
Client Setting

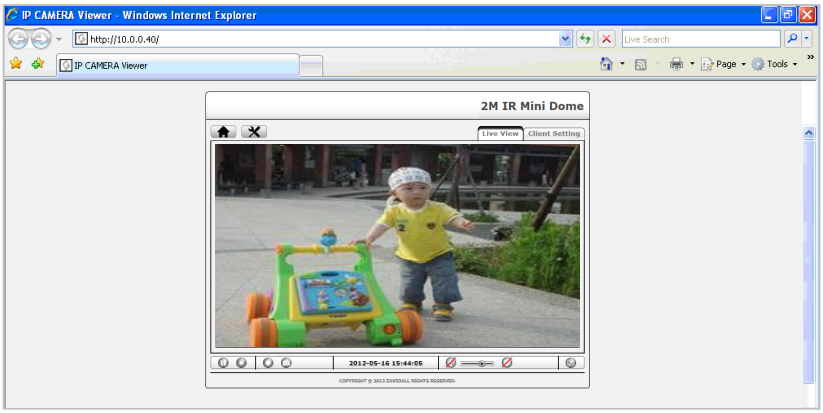
5. Click the information bar, and select **Install ActiveX control**.



6. Click **Install**.

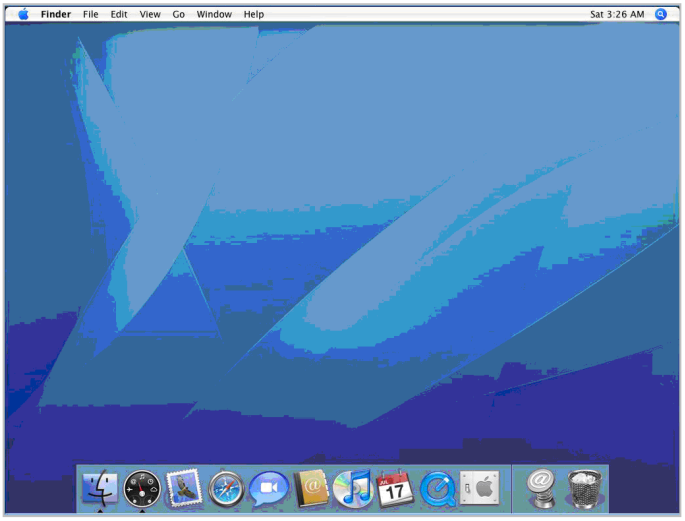

IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
2M IR Mini Dome
Live View
Client Setting
Internet Explorer - Security Warning
Do you want to install this software?
Name: AxVideoView.cab
Publisher: ZAVIO Inc.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

7. Live video displays in the centre of your web browser.

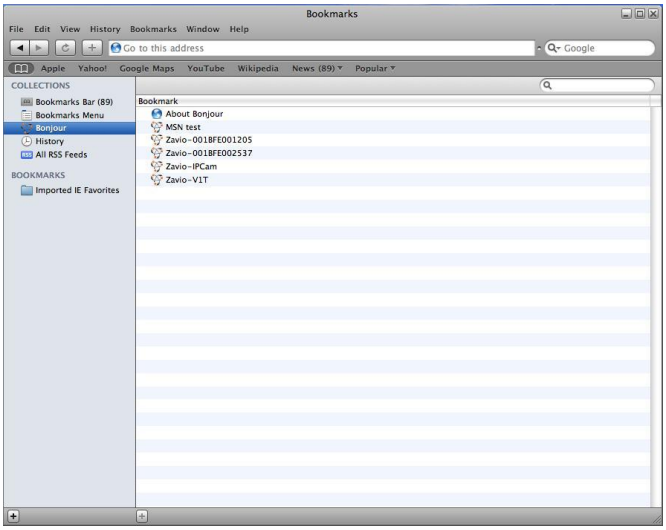


Mac OS using Safari Browser

1. Select **Safari icon**



2. Click **Bonjour function** and select the camera you wish to access.



3. Enter name and password to login to the IP camera. (**Default is admin / admin**)

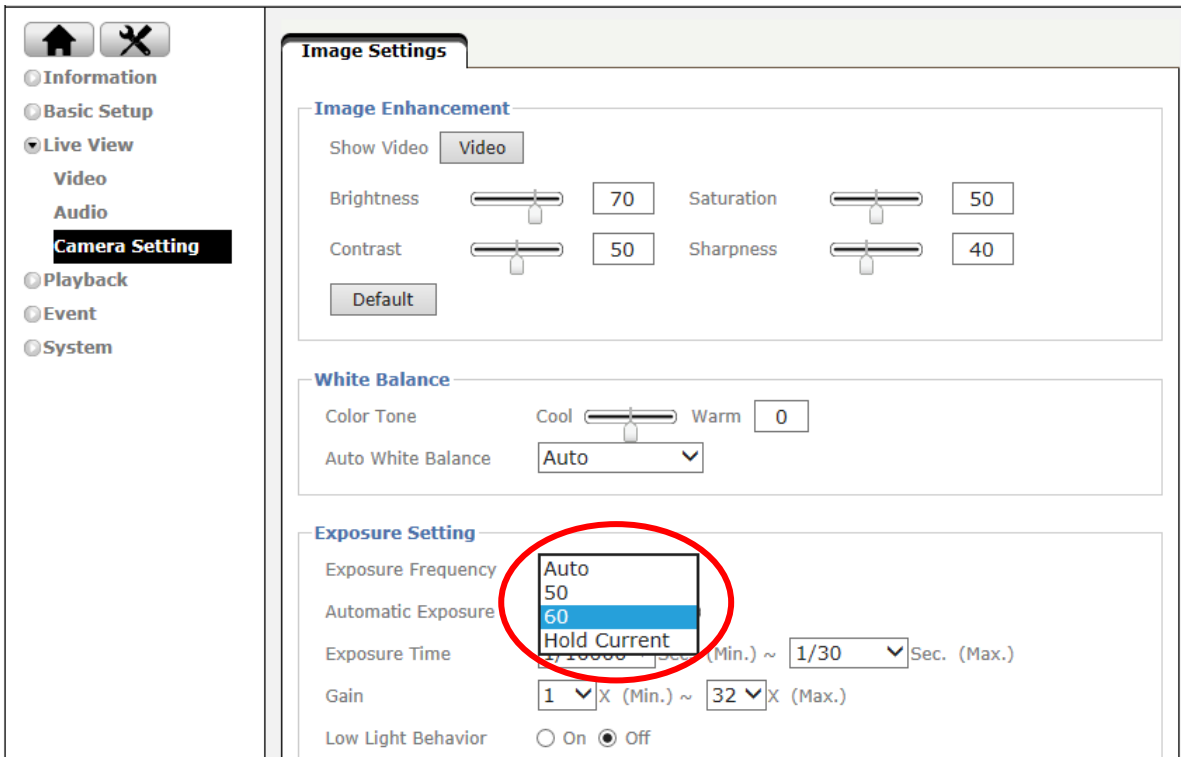
Safari File Edit View History Bookmarks Window Help
Mon 7:12 PM
To view this page, you need to log in to area "F312A Wireless IP Camera" on 10.0.0.26.
Your password will be sent in the clear.
Name: admin
Password:
Remember this password in my keychain
Cancel
Log In

4. The monitor image will be displayed in your browser.

Lighting environment setting

The default setting of lighting environment is **Auto**. However, you may also select 50 or 60 Hz upon the lighting environment of your country.

Go to “Setting > Live View > Camera Setting > Image Setting”, select the environment setting you wish.

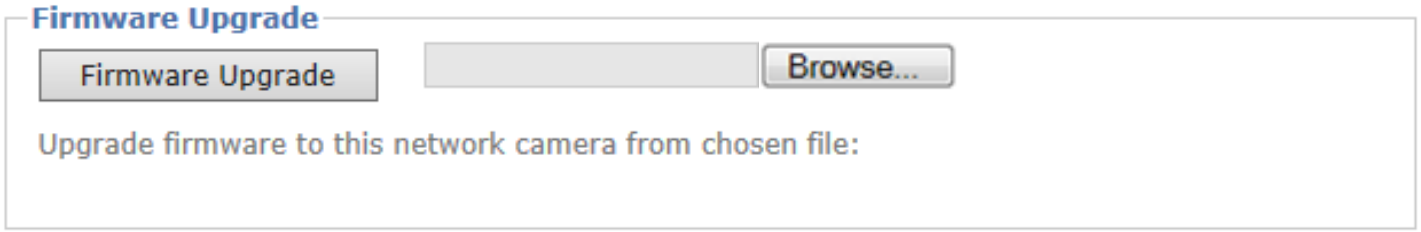


Change the Web Interface into your preferred language

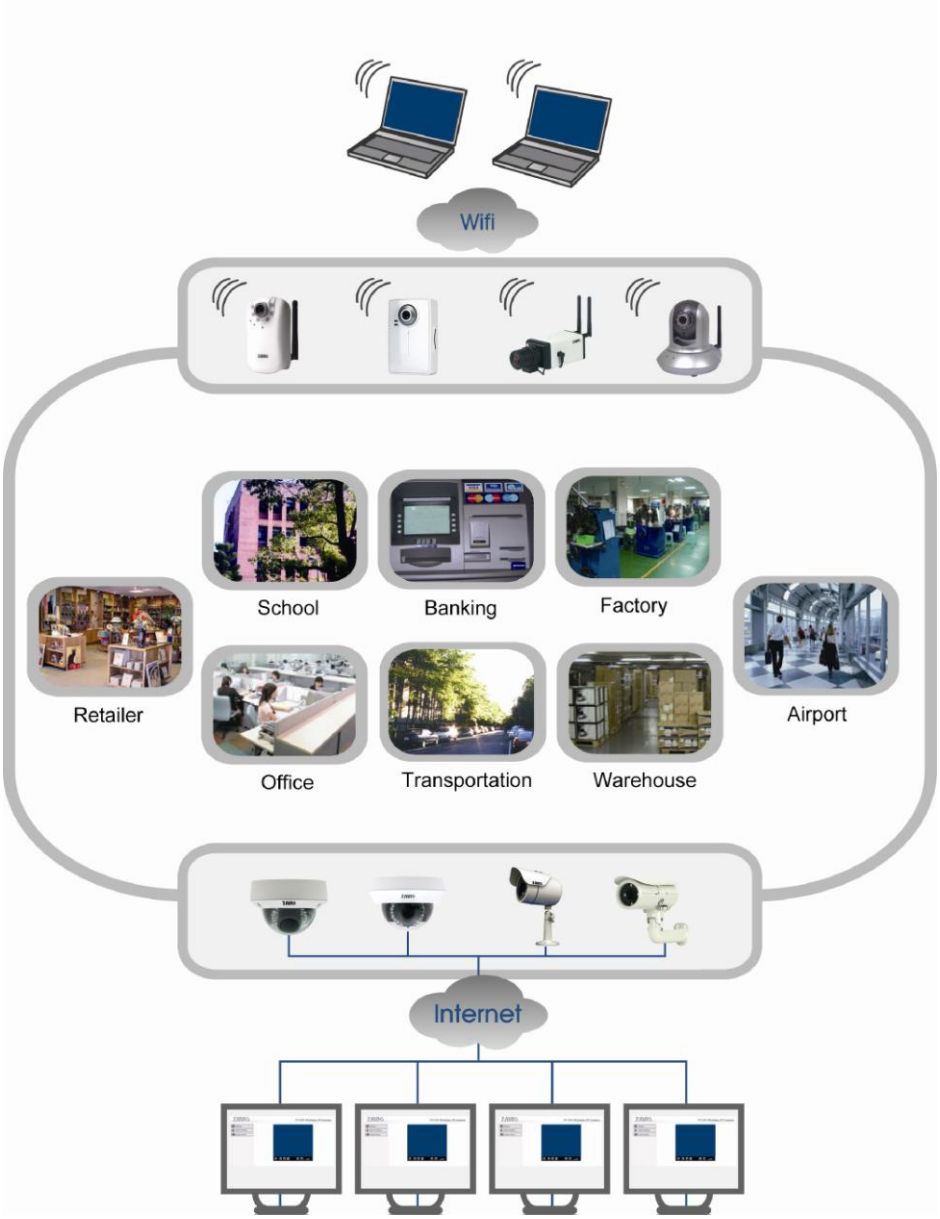
Use the settings screen to set the language of the Web Interface.

Go to “System > Maintenance > Language”.

1. Insert Software CD into your CD-ROM.
2. Browse and select the preferred language from language pack in the Software CD and then click OK.
3. The web interface will change into your preferred language.



Application of IP Camera



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